

City of Cambridge
Community Development Department

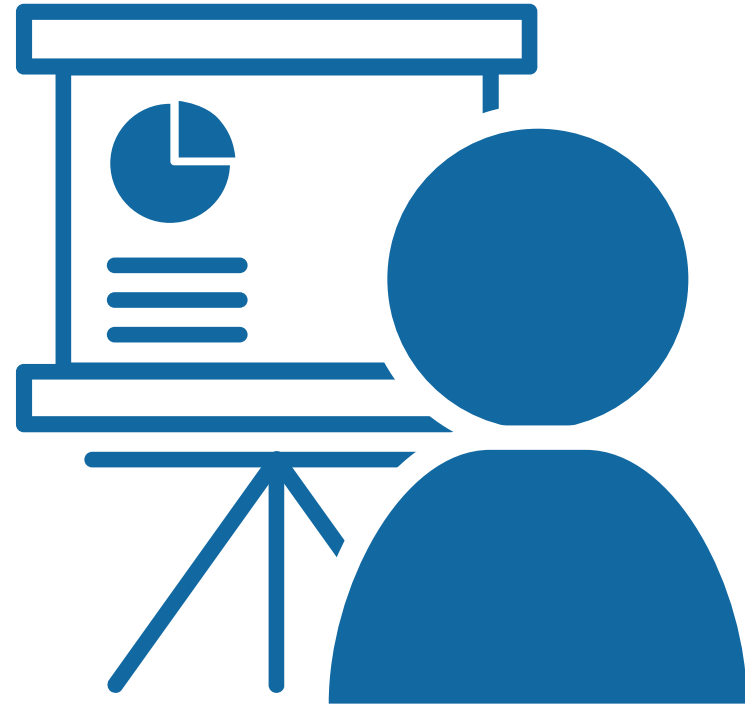
Joint Bicycle, Pedestrian, Transit Advisory Committees

November 18, 2020



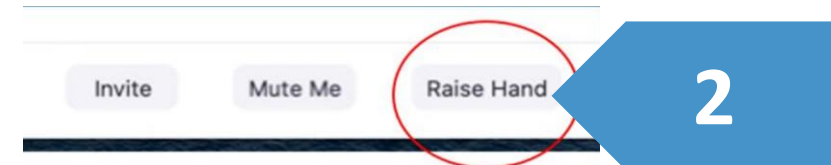
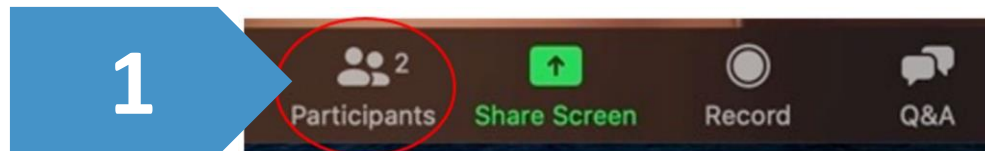
Meeting Agenda

1. Zoom meeting protocols
2. MIT Volpe Redevelopment Project
3. Public Comment
4. Other Project Updates
5. Announcements
6. Public Comment
7. Bicycle Committee Business



Committee Member Instructions

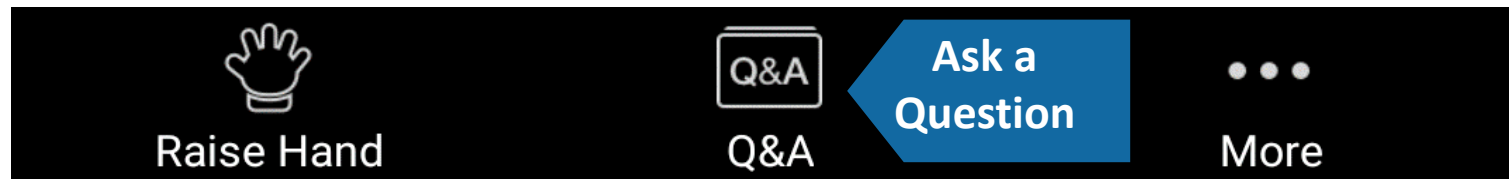
- Committee members may speak and show webcam video
 - Use "Raise Hand" button to help manage discussion
 - *9 to Raise Hand by phone
- Please stay muted unless speaking
 - *6 to mute/unmute by phone



Public Comment Instructions

- Members of the public are muted and cannot show webcam video
- Public can write questions or ask for assistance in Q&A window at any time
 - Questions may be submitted at any time and will be addressed as time allows, during discussion/comment periods
- During the Public Comment period, use the "Raise Hand" button to signal you have a question/comment. A staff member will then enable you to unmute yourself.
 - *9 to Raise Hand by phone
 - *6 to Mute/Unmute by phone
- Please be respectful! Participants will be removed for inappropriate behavior

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MIT Volpe Redevelopment Project



MIT VOLPE REDEVELOPMENT PROJECT

Joint Bicycle, Pedestrian, and Transit Committees Meeting 11/18/2020

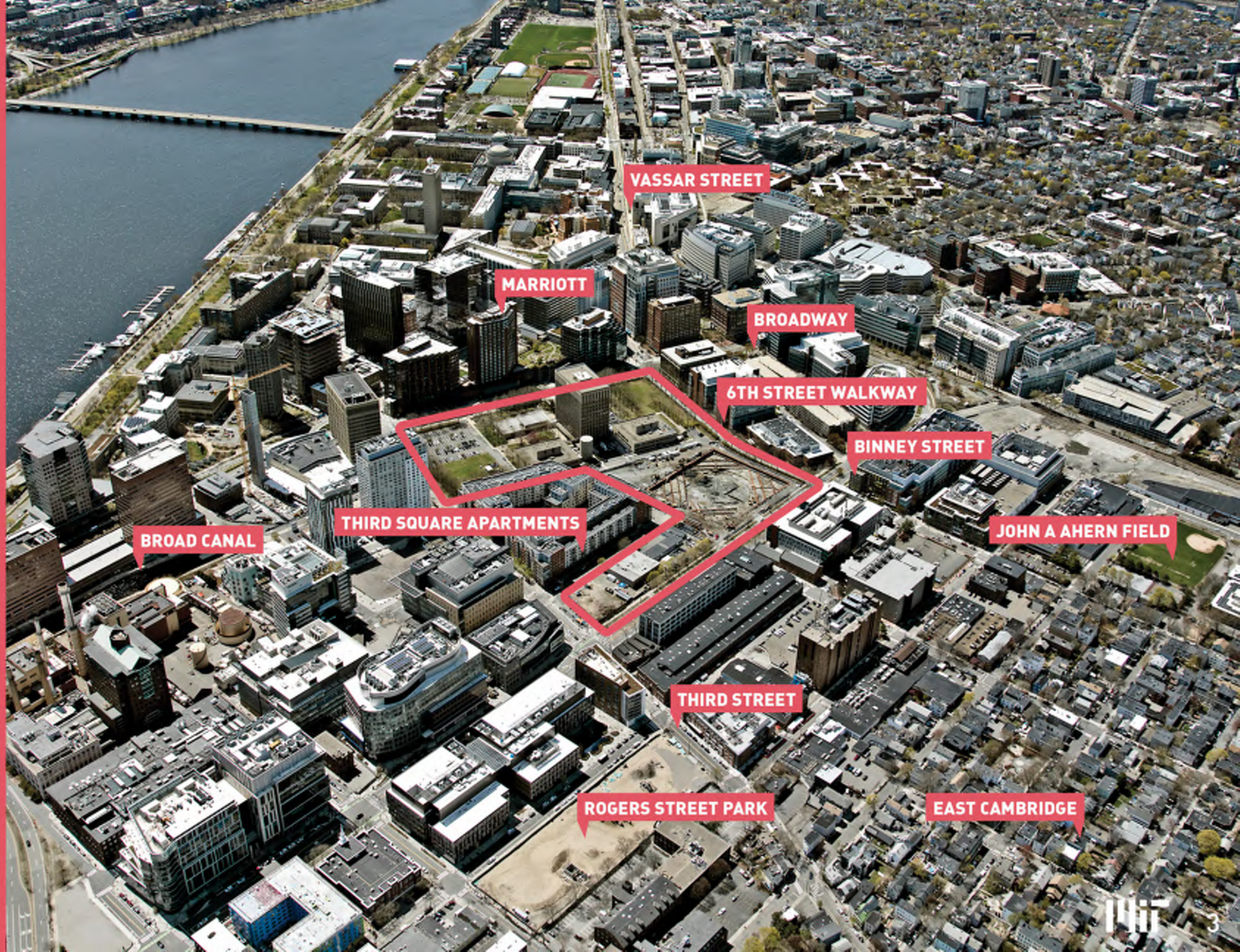


Agenda

1. Introduction
2. Path to Volpe
3. Site Organization
4. Pedestrian Connectivity
5. Bicycle Connectivity
6. Transit Connectivity
7. Q&A

Path to Volpe: Volpe Zoning

- **2014**
PUD-KS Proposal developed with discussions at Planning Board
- **2015**
PUD-KS Petition Filed
Planning Board Public Hearings
Volpe Site Community Outreach
PUD-KS Refiled
Petition Hearings
- **2016**
The City appoints the Volpe Working Group to develop planning and urban design principles
- **2017**
PUD-7 Zoning Amendment passed



Values for a Connected Innovation Community



**Retail + Active
Ground Floors**



**Sustainability +
Resilience**



Racial Equity + Inclusion



Science + Research



Open Space



Housing

Community Benefits

Bicycle, Pedestrian, and Transit related Benefits

- **\$8.5 million** for **transit improvements** to reduce vehicular traffic
- Convey rights and contribute **\$8.5 million** for design and construction of the **Grand Junction path**
- Over **2,100 bicycle parking spaces**
- Robust **transit analysis** as part of Transportation Impact Study

Fully-Integrated Public Realm

A range of open spaces offer places for community gathering, play, socializing, and respite, in inclusive, diverse and attractive settings.

6TH STREET PARK

6TH STREET WALKWAY

BROADWAY COURT

5TH STREET PROMENADE

BINNEY STREET

BINNEY STREET COURT

BINNEY STREET PLAZA

5TH STREET PROMENADE

VOLPE ART LAWN

5TH STREET

THIRD STREET

POTTER STREET

COURT

BROAD CANAL WAY

BROADWAY

THIRD STREET PARK

Zoning Program

1,692,000 sf
Commercial (60% GFA)

1,128,000 sf
Residential (40% GFA)

95,000 sf
Retail, dining, entertainment,
and the arts

> 2.5 acres
Open space



Thoroughly Connected Network

The Volpe Redevelopment is organized and given identity by the form and activity of its many civic open spaces — its streets, squares, and parks.

NEIGHBORHOOD CONNECTIONS



NODES



All Sides Activated

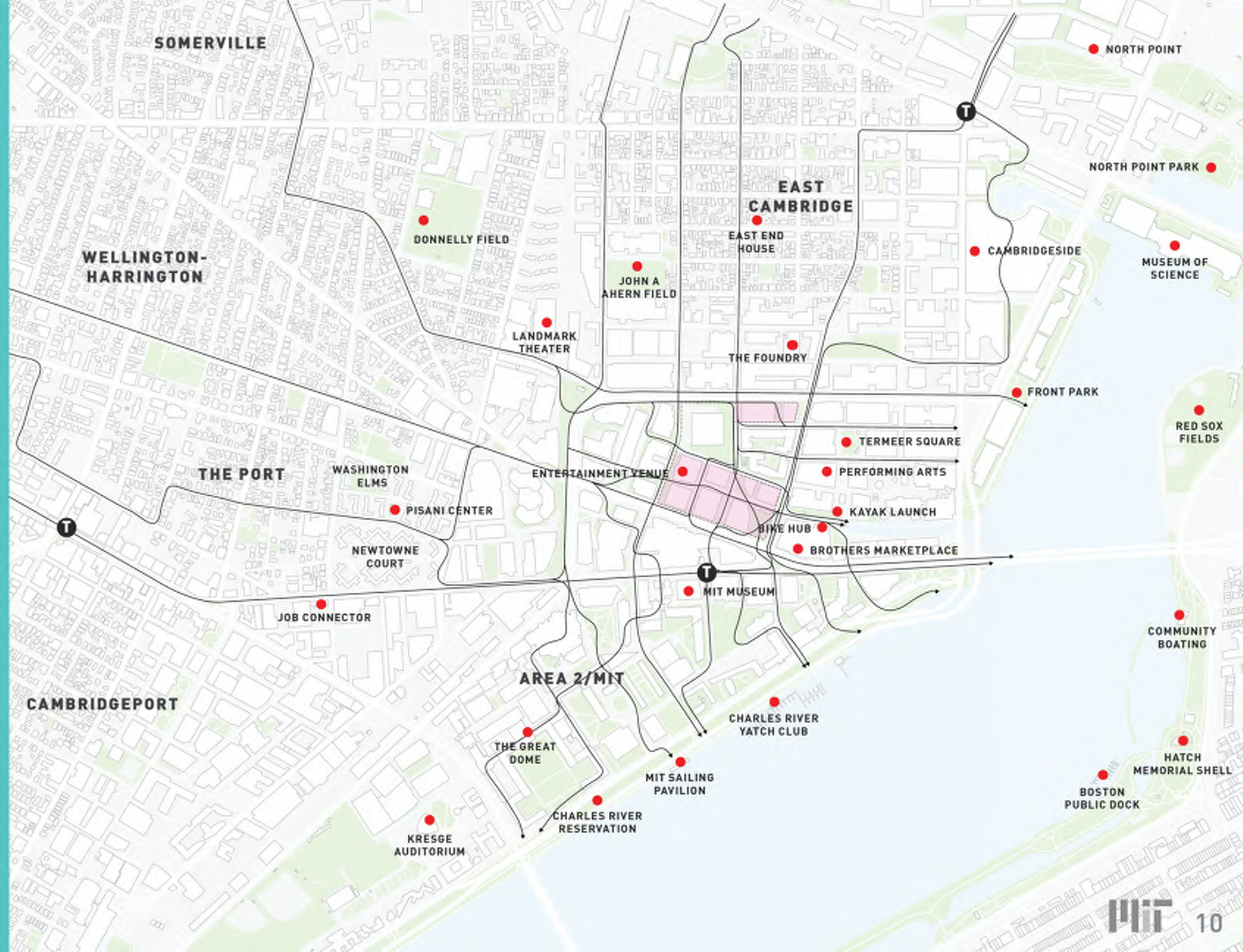
Various venues for gathering, the arts, entertainment, recreation, innovation, inventive retail, creating an inclusive place that fosters community and opens social and economic opportunities.

- ▲ ENTRANCE
- ▲ PARKING ENTRANCE
- ▲ LOADING ENTRANCE
- RETAIL BUSINESS
- OTHER ACTIVE USE
- LOBBY
- ENTERTAINMENT VENUE
- RECREATION
- MECHANICAL/ BOH



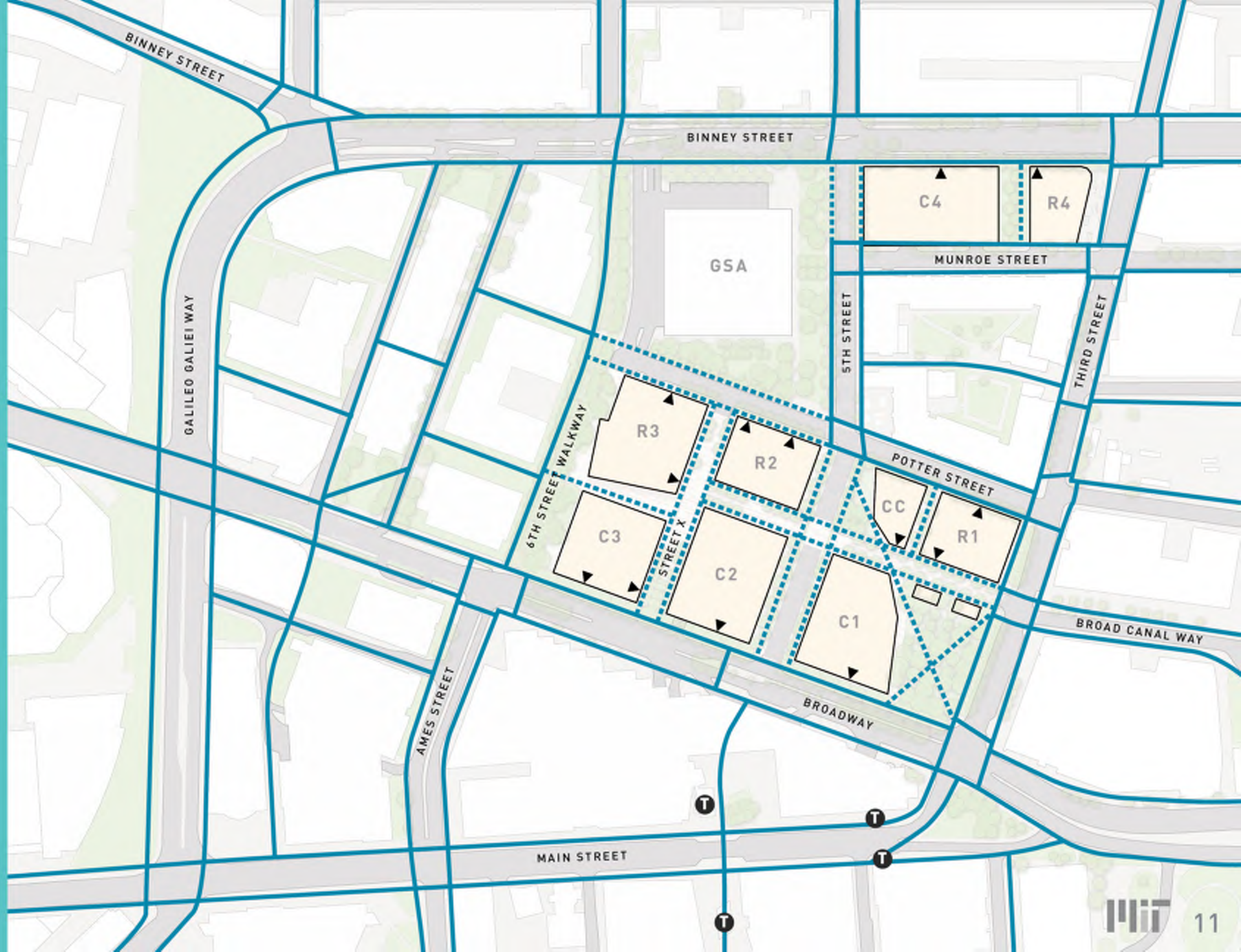
Pedestrian Connectivity

- PEDESTRIAN CONNECTIONS
- OPEN SPACES
- VOLPE SITE
- PLACES OF INTEREST



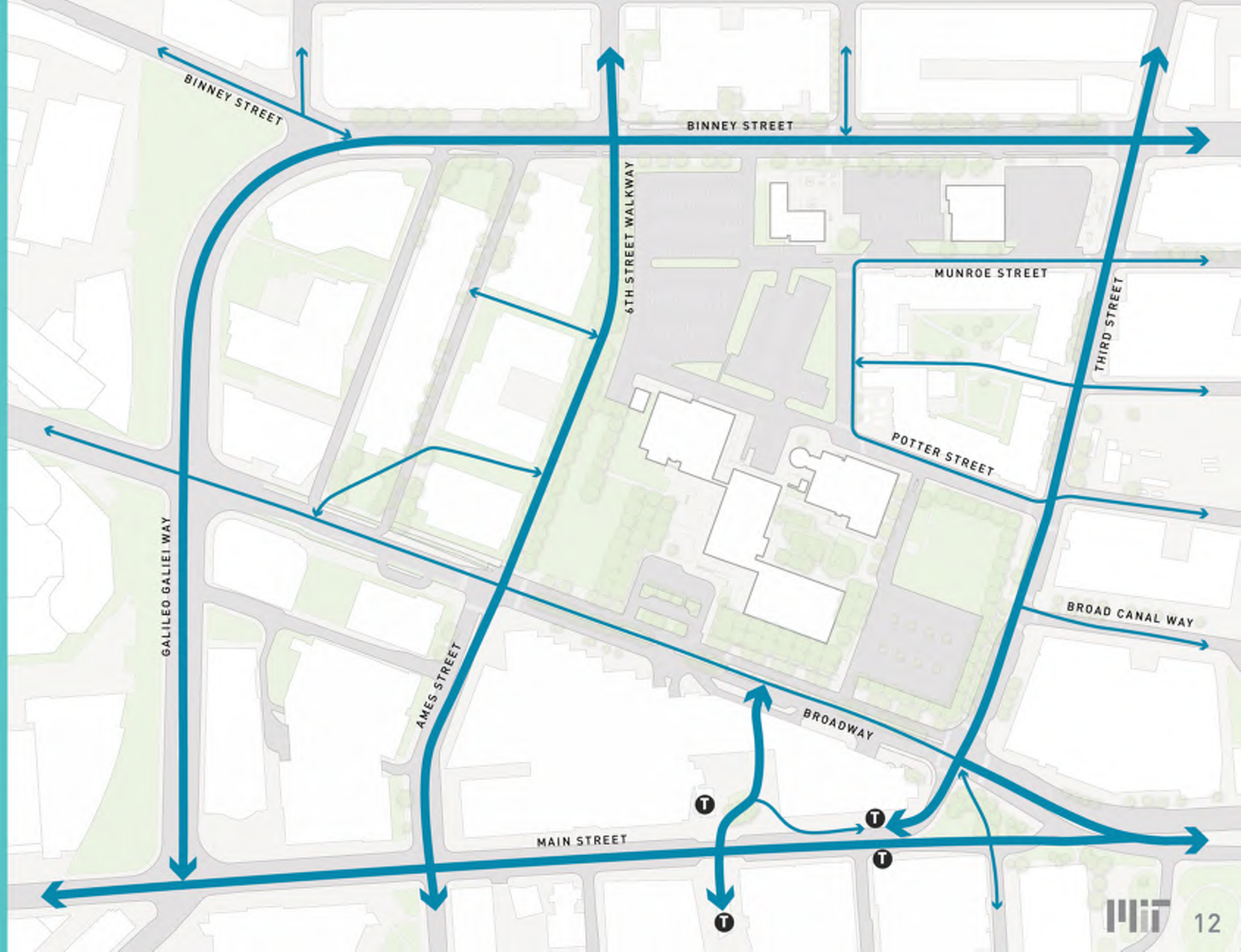
Pedestrian Connectivity

- EXISTING PEDESTRIAN CONNECTIONS
- PROPOSED PEDESTRIAN CONNECTIONS
- PEDESTRIAN ENTRANCE



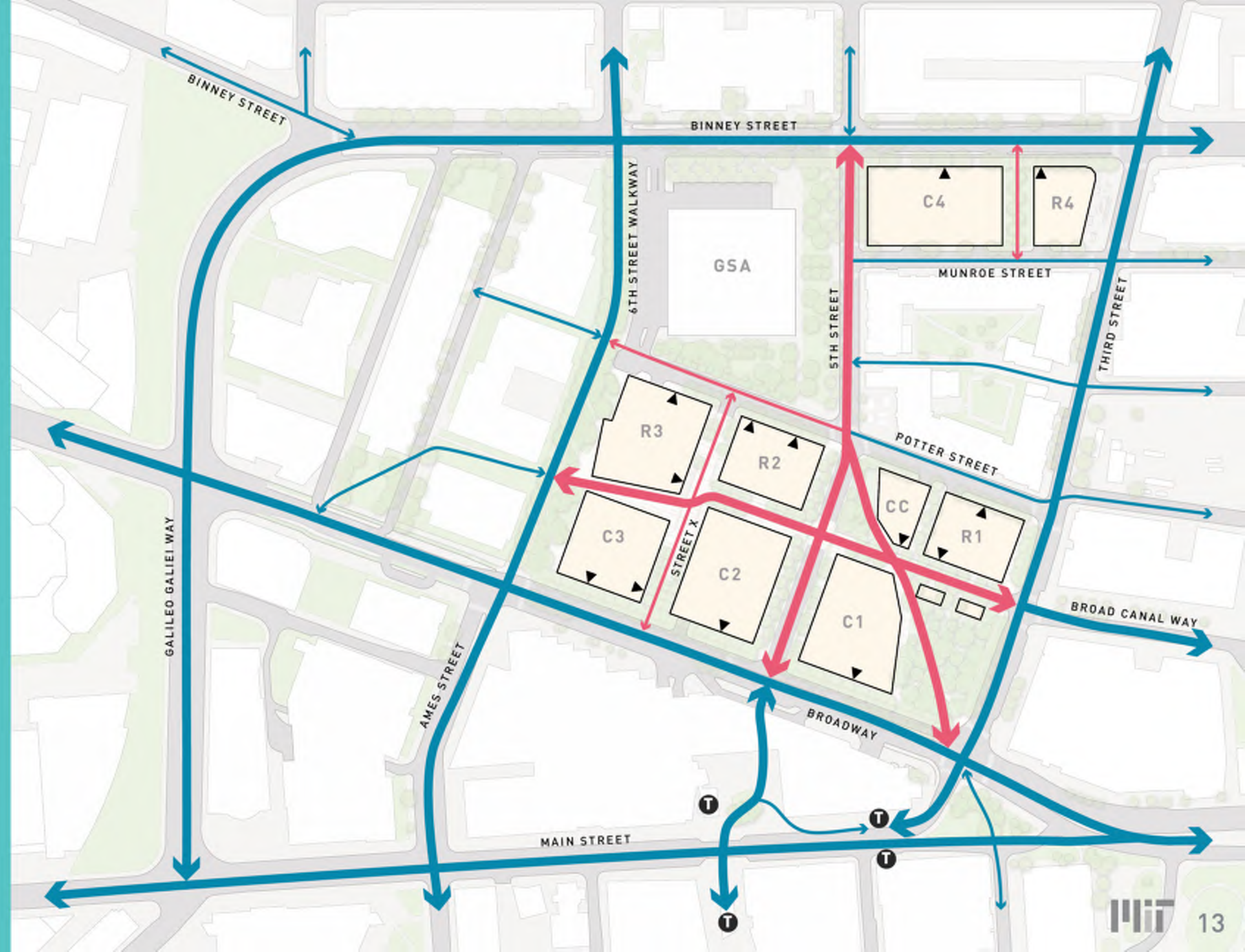
Pedestrian Connectivity

- EXISTING PEDESTRIAN CONNECTIONS
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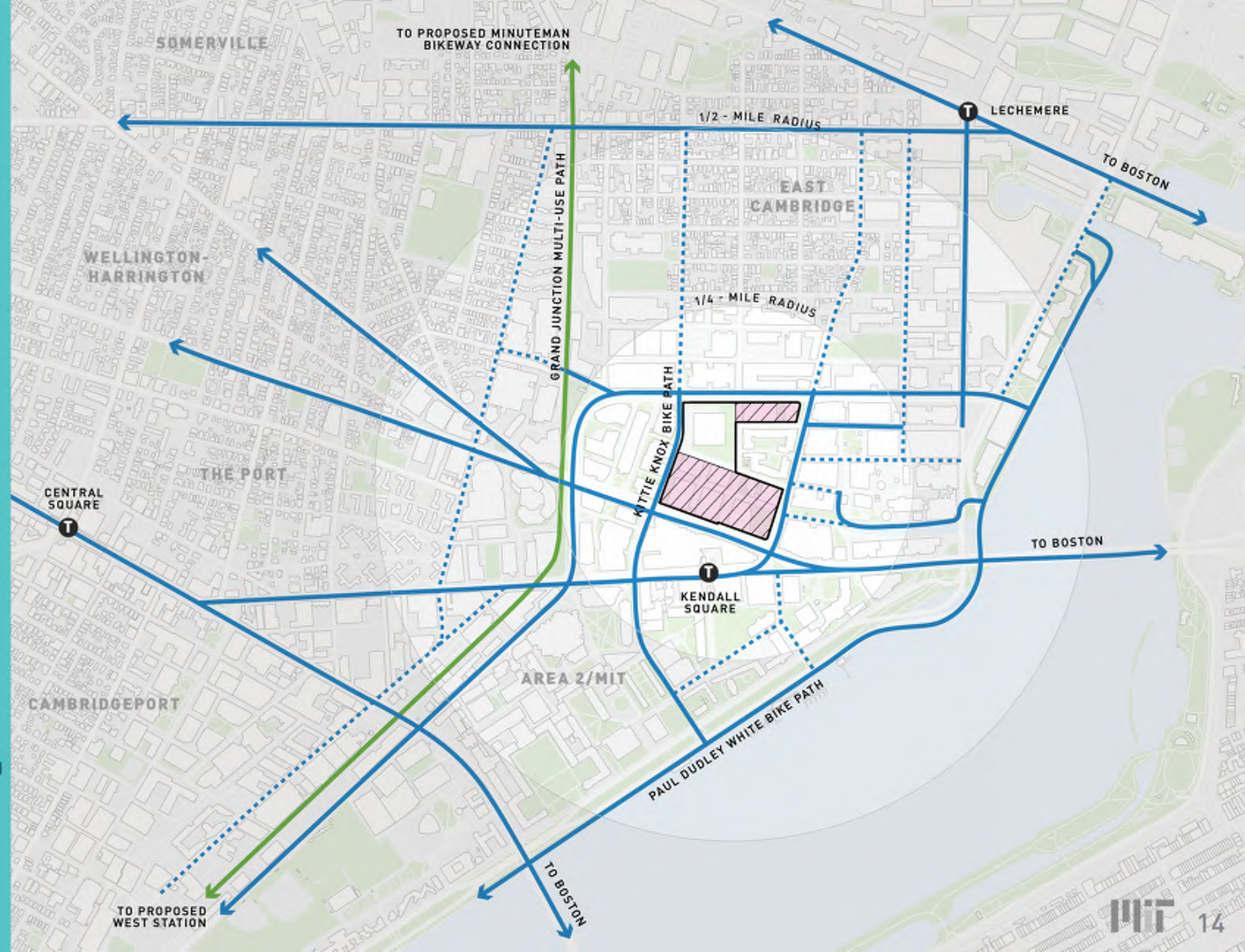
Pedestrian Connectivity

- EXISTING PEDESTRIAN CONNECTIONS
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- PEDESTRIAN ENTRANCE









Bike Connectivity

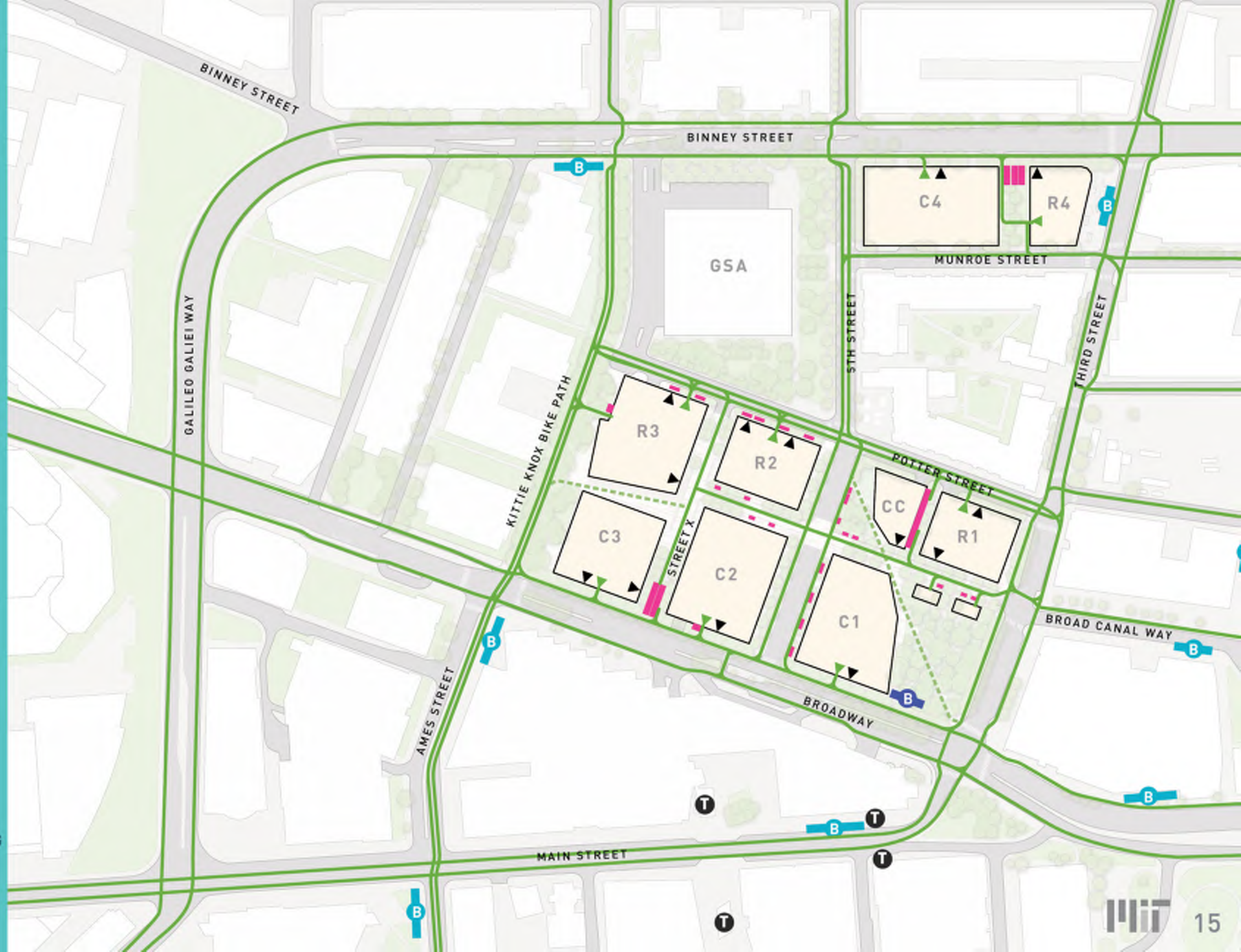
- SHARED LANES
- BICYCLE LANE/ CYCLE TRACK/ BIKE PATH
- GRAND JUNCTION MULTI-USE PATH
- ▨ SITE



Bike Connectivity

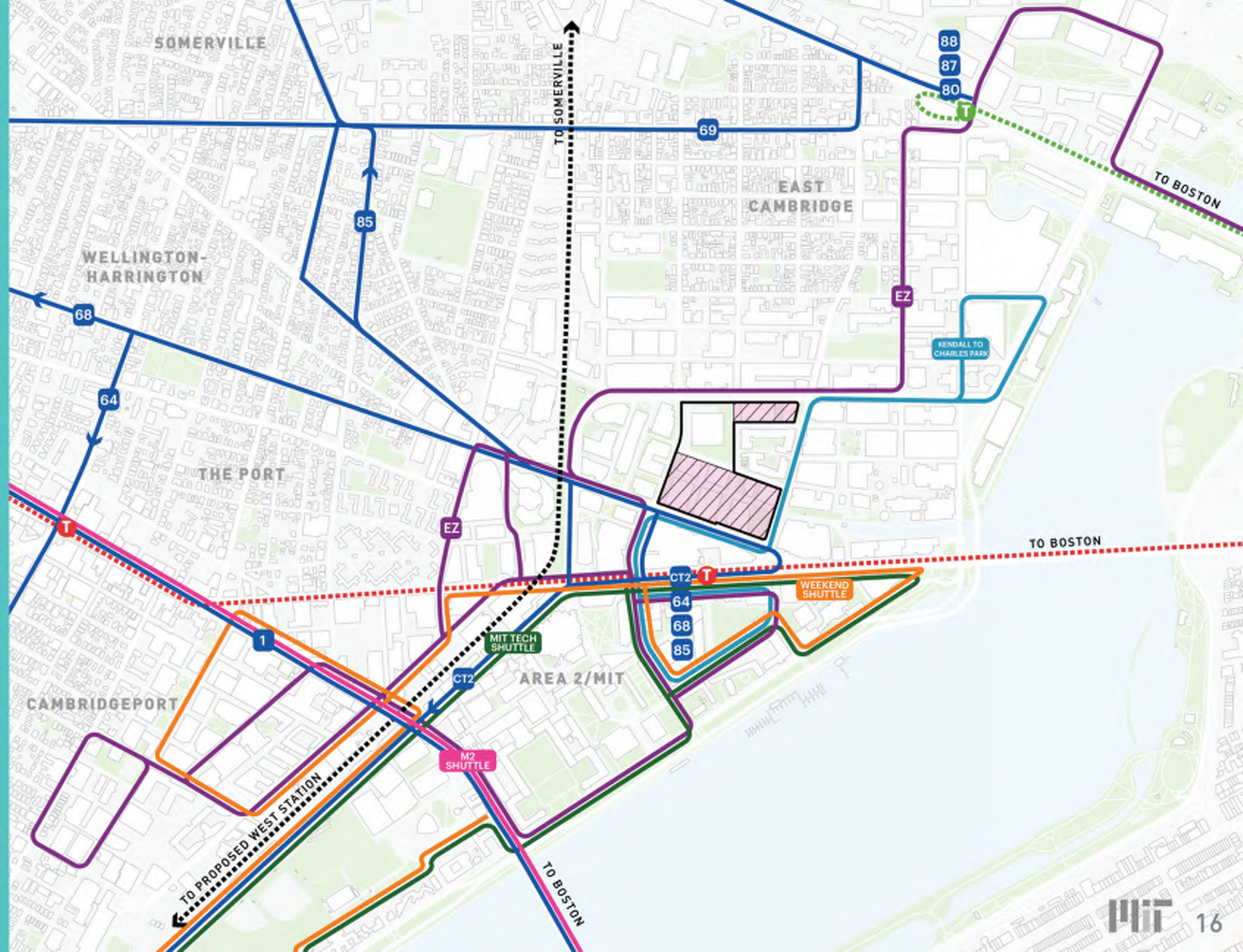
- 1,862 long term bicycle parking spaces
- 302 short term bicycle parking spaces

-  PATH OF BICYCLES
-  EXISTING BLUEBIKE STATION
-  PROPOSED BLUEBIKE STATION
-  SHORT TERM BICYCLE PARKING
-  PEDESTRIAN ENTRANCE
-  ACCESS TO LONG TERM BICYCLE PARKING



Transit Connectivity

- MBTA GREEN LINE
- MBTA RED LINE
- M2 SHUTTLE
- MIT WEEKEND SHUTTLE
- MIT SHUTTLE TECH
- KENDALL TO CHARLES PARK
- EZ RIDE
- MBTA BUS ROUTES
- GRAND JUNCTION RAIL CORRIDOR



Broad Canal Way



5th Street



Broadway



Potter Street

ROCKY
ROASTERS



5th Street at Binney



PEDESTRIAN WALK
11'-0"

FURNISHING ZONE
5'-0"

PARKING LANE
7'-0"

SHARED TRAVEL LANE
11'-0"

SHARED TRAVEL LANE
11'-0"

PARKING LANE
7'-0"

5TH STREET [FACING SOUTH]

PROPERTY LINE

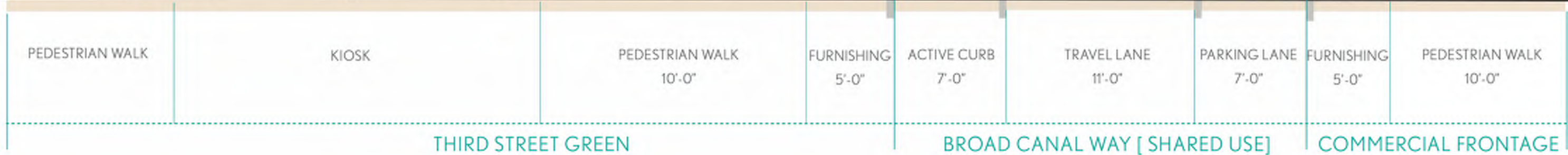
US DOT VOLPE SITE

5th Street



PEDESTRIAN WALK 20'-0"	FURNISHING 5'-0"	BIKE LANE 5'-0"	BUFFER 3'-0"	PARKING LANE 7'-0"	VEHICULAR LANE 11'-0"	VEHICULAR LANE 11'-0"	PARKING LANE 7'-0"	BUFFER 3'-0"	BIKE LANE 5'-0"	FURNISHING 5'-0"	PEDESTRIAN WALK 10'-0"
5TH STREET PROMENADE				5TH STREET [FACING NORTH]				C1 PEDESTRIAN WALK			

Broad Canal Way



*DIMENSIONS ARE APPROXIMATE

Broad Canal Way



PEDESTRIAN WALK
10'-0"

FURNISHING
5'-0"

ACTIVE CURB ZONE
7'-0"

TRAVEL LANE
11'-0"

PARKING LANE
7'-0"

FURNISHING
5'-0"

PEDESTRIAN WALK
10'-0"

COMMERCIAL FRONTAGE

BROAD CANAL WAY [SHARED USE]

COMMERCIAL FRONTAGE

Potter Street



PEDESTRIAN WALK
10'-0"

FURNISHING
4'-0"

PARKING
7'-0"

SHARED TRAVEL LANE
12'-0"

SHARED TRAVEL LANE
12'-0"

PARKING
7'-0"

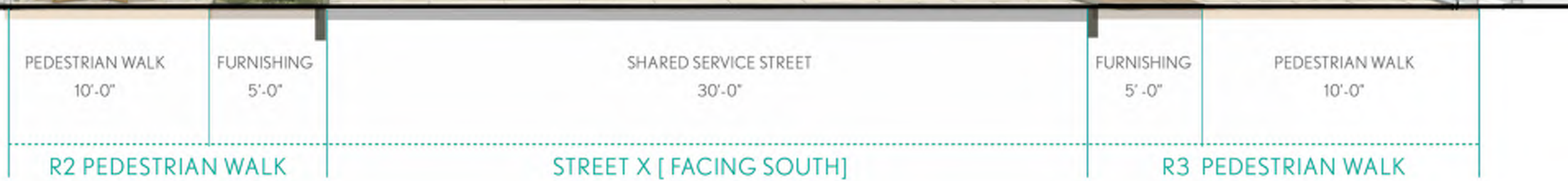
PROPERTY LINE

PEDESTRIAN WALK

POTTER STREET

303 BUILDING

Street X



Thank you. Questions?

Community Engagement Input Sessions

- Open Space Design and Programming
- Community Center Programming
- Retail Diversity
- Housing Equity
- Job Equity

Details and presentation at <https://volpe.mit.edu>

Please send questions and feedback to volpemit@mit.edu

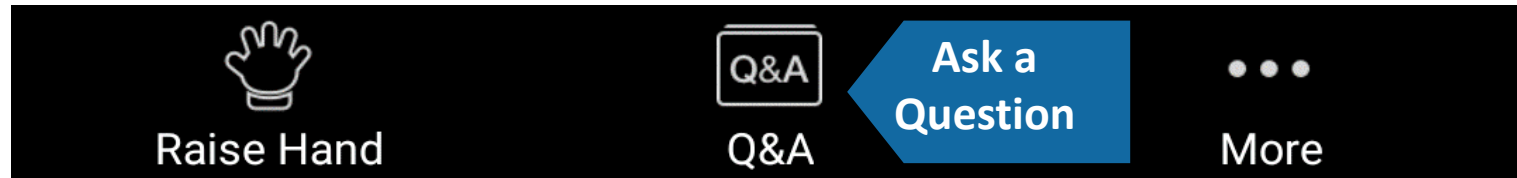


Public comment

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TP&T Updates

- **Webster Ave separated bike lane**
 - Installed Tuesday 17th.
 - Flex post installation starting the 18th and continuing throughout week
 - Green tentative for Friday. May have some stencils pushed to Spring since they're not in stock.
- **Banks St contra-flow bike lane**
 - Aiming for Thursday 19th evening installation
 - Stencils likely next Spring as they're not in stock.
 - Green intersection conflict zones to be installed as weather allows
- **Hampshire St (Card. Medeiros Ave to Broadway)**
 - Bike lanes restriped after maintenance paving.
 - Green tentative for Friday. May have some stencils pushed to Spring since they're not in stock.
- **Sixth St**
 - Shared lane markings added tomorrow or Friday
- **Aberdeen Ave**
 - Bike lanes restriped after maintenance paving
 - Stencils in Spring
- **Sparks St**
 - Bike lane restriped after maintenance paving (all markings and stencils completed)
- **Cambridge St separated bike lane**
 - Flex post replacements substantially complete
- **Cambridgepark Drive**
 - Flex posts added to parking protected side of separated bike lane
- **Broadway at Third St (separated bike lane)**
 - Flex post installation on Broadway approach to Third St to begin soon (waiting on hardware)



DPW Updates

CDD – South Mass. Avenue (Central to Mem Dr.)

- South Mass Ave Corridor Safety Improvements implemented in 2018
 - Separated bike lanes installed along most of corridor
 - Operational changes to improve pedestrian and cycling safety
 - Exclusive bus lane not providing the expected benefits, initially
- Follow-up since 2018
 - City staff, MAPC, and MBTA reviewed operations and identified potential issues (2019)
 - Need additional "clean" data (minimizing data "noise" from unrelated construction projects) but 2020 was not the year to collect it! (and maybe not 2021)
 - Grand Junction MUP design project (2019-2020) for new path crossing
 - Pedestrian Crossing at Windsor installed (completion November 2020)
 - City staff is beginning to identify bus priority opportunities
 - Transit signal priority using new/novel signal priority systems
 - Working with MBTA Transit Priority team with consultant design assistance



Other Announcements

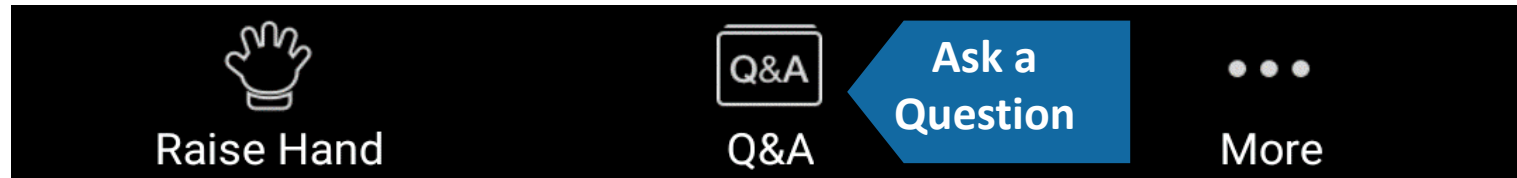


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Bicycle Committee Business

- Minutes
- Upcoming Meetings



Thank You